

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV080720\  
 Data File : VV017836.D  
 Acq On : 07 Aug 2020 13:43  
 Operator : SY/MD  
 Sample : L3590-08  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 F2L53

Quant Time: Aug 08 00:25:27 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM073020WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Aug 08 00:22:47 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 215564   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 212771   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 120755   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.31    | 65    | 41739    | 39.71    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 79.42%  |
| 7) Chloroethane-d5             | 1.58    | 69    | 39798    | 44.34    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 88.68%  |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 84059    | 33.28    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 66.56%  |
| 21) 2-Butanone-d5              | 3.91    | 46    | 74323    | 94.03    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 94.03%  |
| 24) Chloroform-d               | 4.38    | 84    | 140996   | 49.08    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 98.16%  |
| 26) 1,2-Dichloroethane-d4      | 5.05    | 65    | 112202   | 53.47    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 106.94% |
| 32) Benzene-d6                 | 5.07    | 84    | 234076   | 46.50    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 93.00%  |
| 36) 1,2-Dichloropropane-d6     | 6.09    | 67    | 62076    | 44.65    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 89.30%  |
| 41) Toluene-d8                 | 7.34    | 98    | 236168   | 47.85    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 95.70%  |
| 43) trans-1,3-Dichloropropene- | 7.64    | 79    | 22811    | 24.83    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 49.66%# |
| 47) 2-Hexanone-d5              | 8.11    | 63    | 53311    | 89.22    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 89.22%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24   | 84    | 98929    | 47.13    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 94.26%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.65   | 152   | 127809   | 53.92    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 107.84% |

## Target Compounds

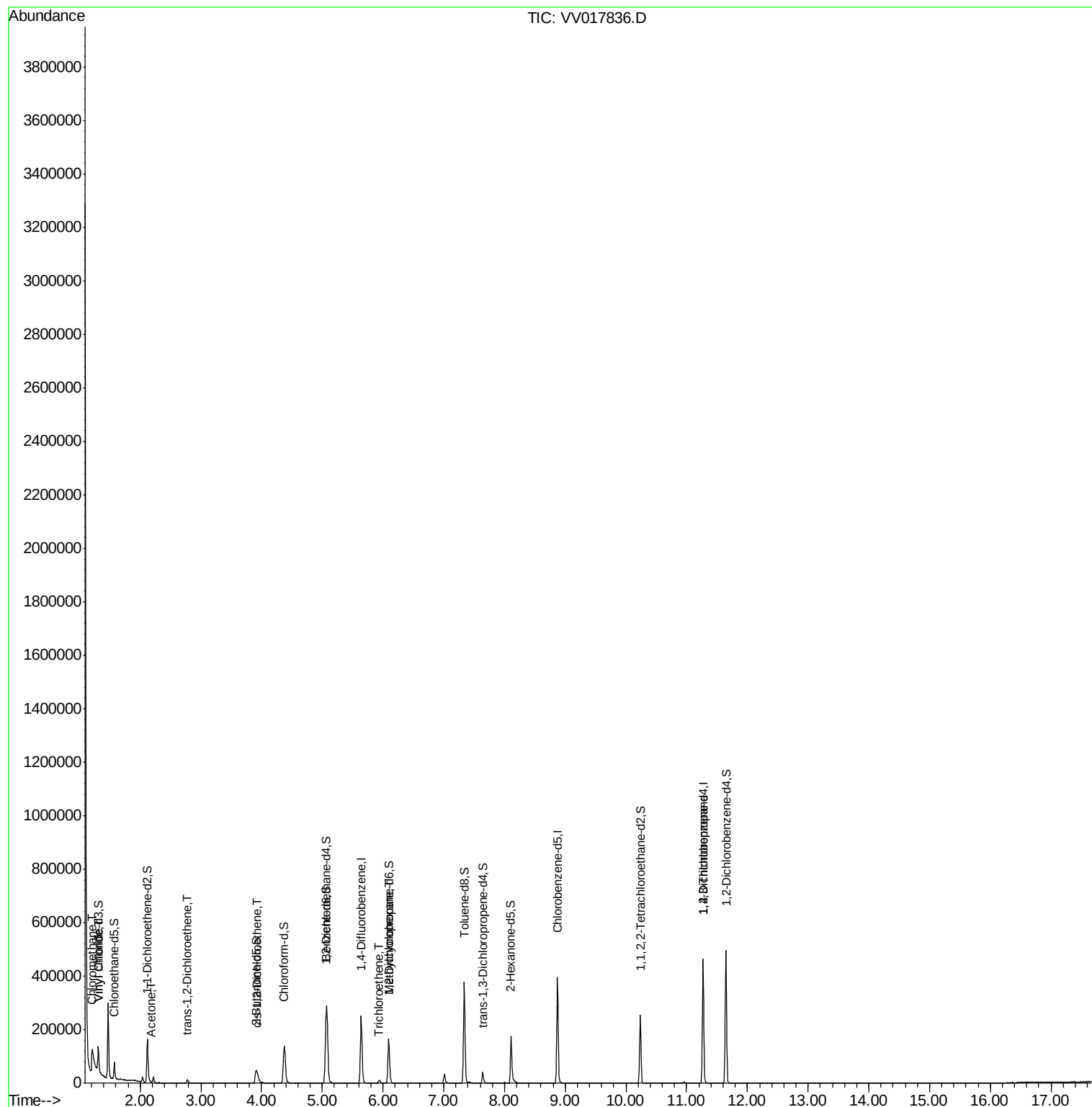
|                              |       |    |       |               | Ovalue |
|------------------------------|-------|----|-------|---------------|--------|
| 3) Chloromethane             | 1.21  | 50 | 1554  | 1.076 ug/L #  | 41     |
| 5) Vinyl chloride            | 1.32  | 62 | 15317 | 10.016 ug/L # | 1      |
| 13) Acetone                  | 2.19  | 43 | 3437  | 3.424 ug/L    | 90     |
| 17) trans-1,2-Dichloroethene | 2.78  | 96 | 2097  | 1.433 ug/L    | 91     |
| 20) cis-1,2-Dichloroethene   | 3.94  | 96 | 4076  | 2.609 ug/L    | 94     |
| 34) Trichloroethene          | 5.94  | 95 | 1904  | 1.161 ug/L    | 89     |
| 35) Methylcyclohexane        | 6.10  | 83 | 21178 | 8.802 ug/L #  | 19     |
| 59) 1,2,3-Trichloropropane   | 11.27 | 75 | 10611 | 5.512 ug/L #  | 66     |

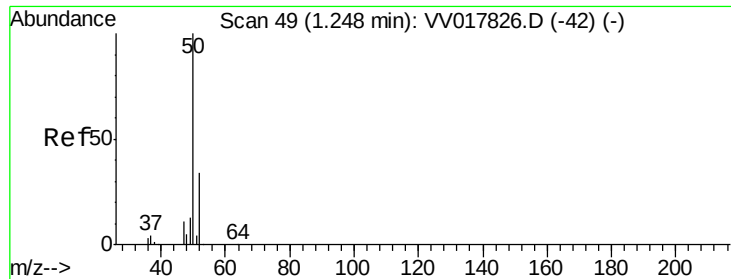
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM073020WMA.M  
Quant Title : VOC Analysis  
QLast Update : Sat Aug 08 00:22:47 2020  
Response via : Initial Calibration





#3

Chloromethane

Concen: 1.076 ug/L

RT: 1.21 min Scan# 37

Delta R.T. -0.04 min

Lab File: VV017836.D

Acq: 07 Aug 2020 13:43

Instrument :

MSVOA\_V

ClientSampleId :

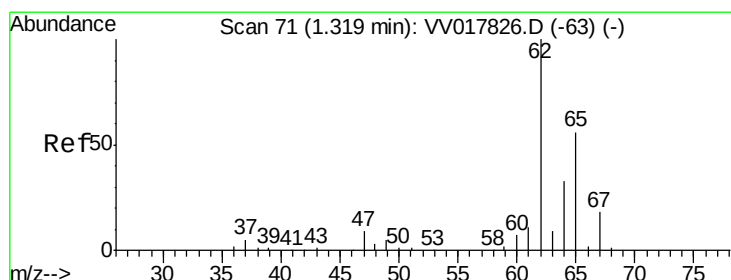
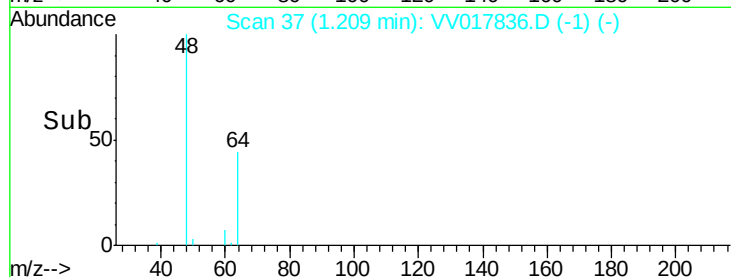
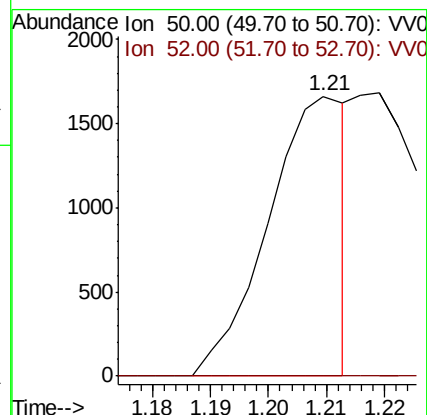
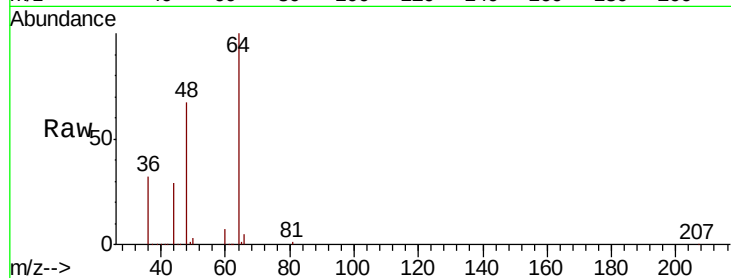
F2L53

Tot Ion: 50 Resp: 1554

Ion Ratio Lower Upper

50 100

52 0.0 23.6 43.8#



#5

Vinyl chloride

Concen: 10.016 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VV017836.D

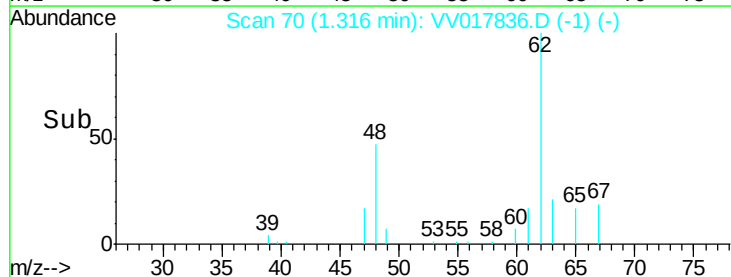
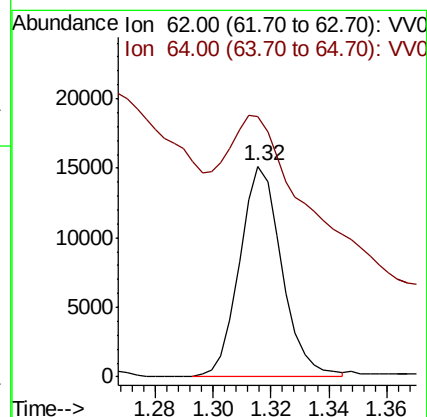
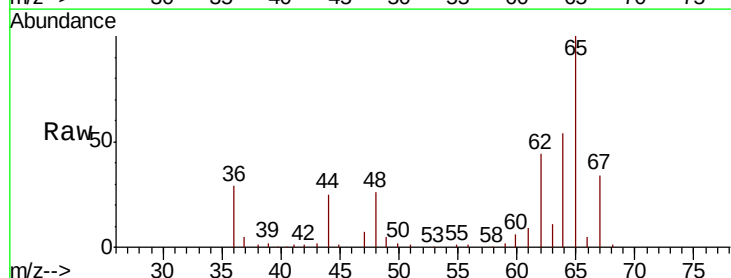
Acq: 07 Aug 2020 13:43

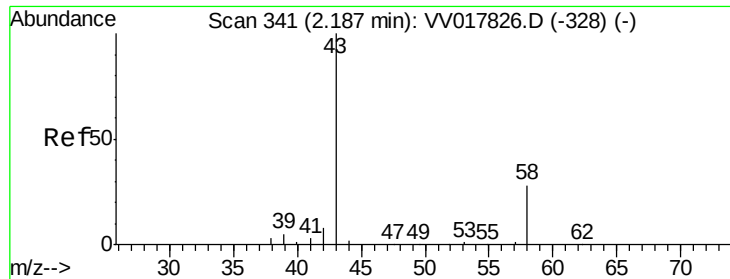
Tgt Ion: 62 Resp: 15317

Ion Ratio Lower Upper

62 100

64 123.4 22.9 42.5#





#13

Acetone

Concen: 3.424 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

Lab File: VV017836.D

Acq: 07 Aug 2020 13:43

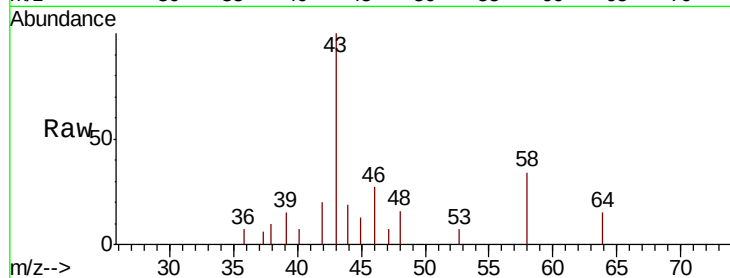
Instrument :  
MSVOA\_V  
ClientSampled :  
F2L53

Tot Ion: 43 Resp: 3437

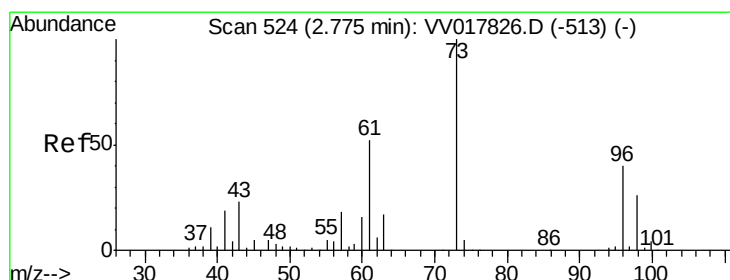
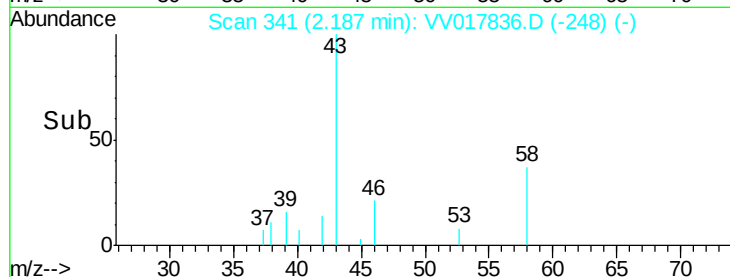
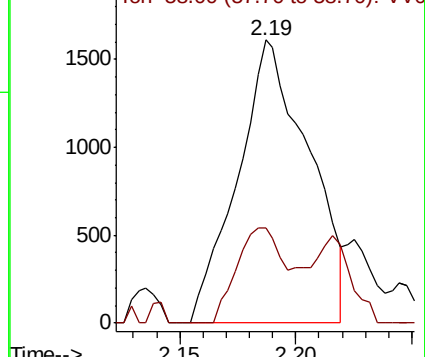
Ion Ratio Lower Upper

43 100

58 21.2 0.0 52.6



Abundance Ion 43.00 (42.70 to 43.70): VV0  
Ion 58.00 (57.70 to 58.70): VV0



#17

trans-1,2-Dichloroethene

Concen: 1.433 ug/L

RT: 2.78 min Scan# 524

Delta R.T. 0.00 min

Lab File: VV017836.D

Acq: 07 Aug 2020 13:43

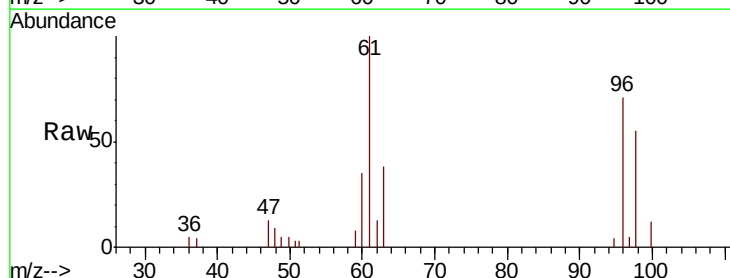
Tgt Ion: 96 Resp: 2097

Ion Ratio Lower Upper

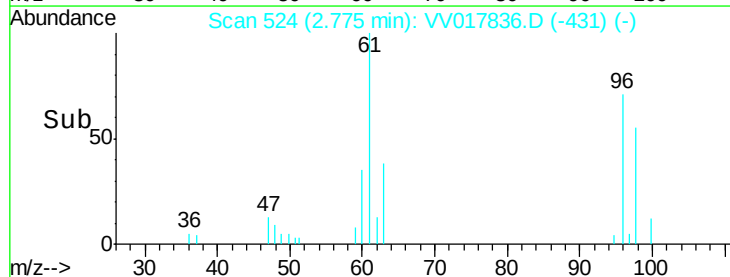
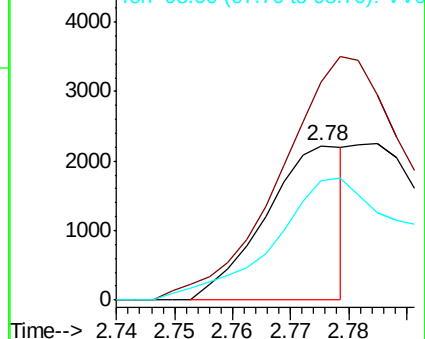
96 100

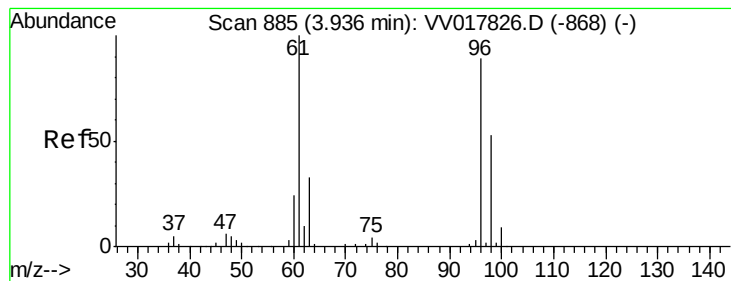
61 141.4 96.2 178.8

98 77.6 43.2 80.2



Abundance Ion 96.00 (95.70 to 96.70): VV0  
Ion 61.00 (60.70 to 61.70): VV0  
Ion 98.00 (97.70 to 98.70): VV0





#20

cis-1,2-Dichloroethene

Concen: 2.609 ug/L

RT: 3.94 min Scan# 885

Delta R.T. 0.00 min

Lab File: VV017836.D

Acq: 07 Aug 2020 13:43

Instrument :

MSVOA\_V

ClientSampled :

F2L53

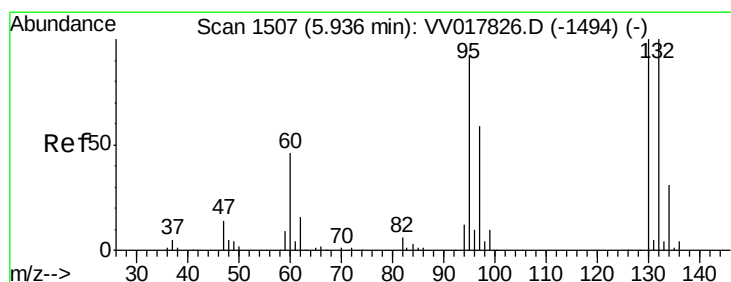
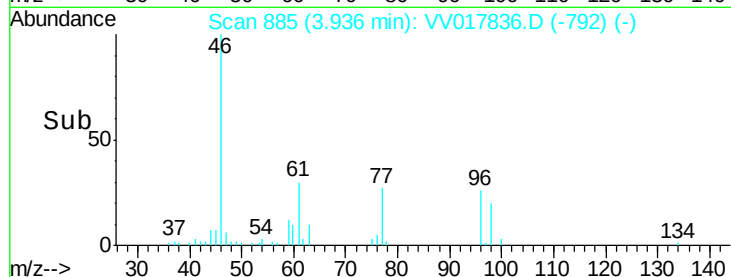
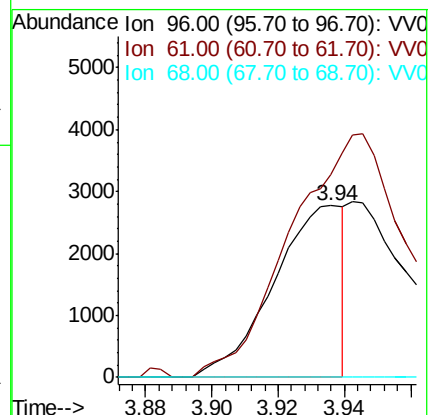
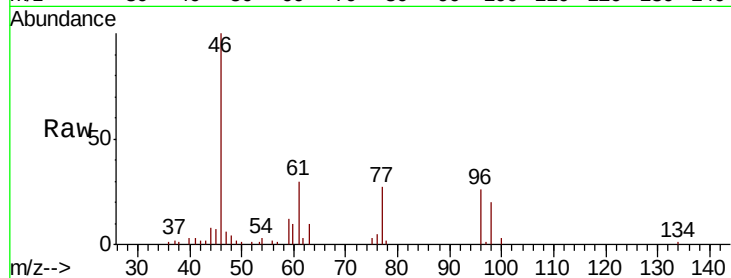
Tot Ion: 96 Resp: 4076

Ion Ratio Lower Upper

96 100

61 118.1 87.3 162.1

68 0.0 0.0 0.0



#34

Trichloroethene

Concen: 1.161 ug/L

RT: 5.94 min Scan# 1509

Delta R.T. 0.01 min

Lab File: VV017836.D

Acq: 07 Aug 2020 13:43

Tgt Ion: 95 Resp: 1904

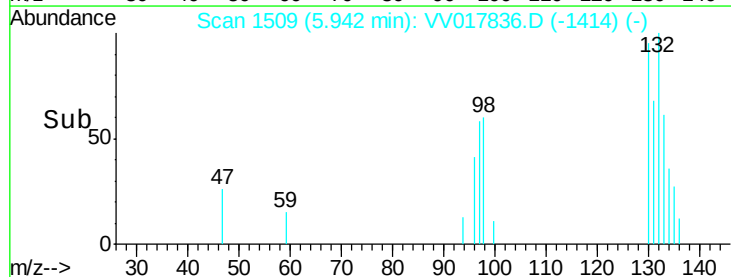
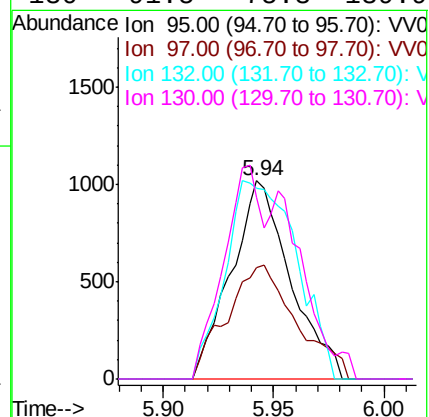
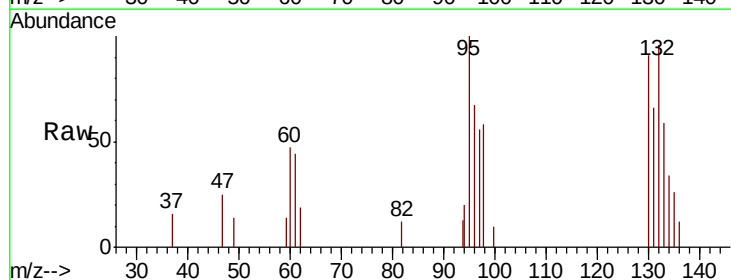
Ion Ratio Lower Upper

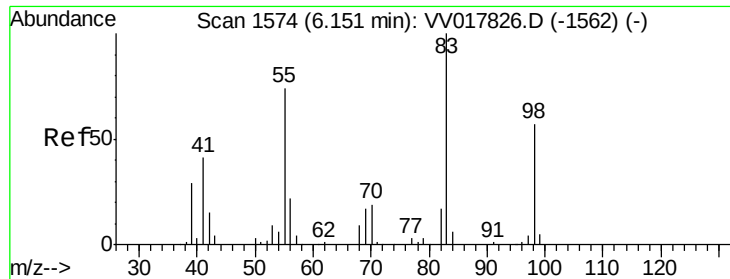
95 100

97 56.3 45.3 84.1

132 96.4 71.4 132.6

130 91.5 75.3 139.9





#35

Methylcyclohexane

Concen: 8.802 ug/L

RT: 6.10 min Scan# 1557

Delta R.T. -0.05 min

Lab File: VV017836.D

Acq: 07 Aug 2020 13:43

Instrument :

MSVOA\_V

ClientSampleId :

F2L53

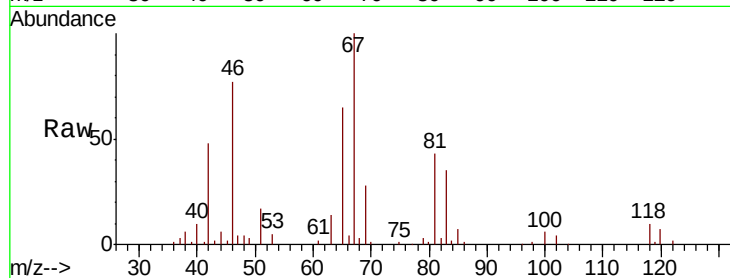
Tot Ion: 83 Resp: 21178

Ion Ratio Lower Upper

83 100

55 0.0 59.4 89.2#

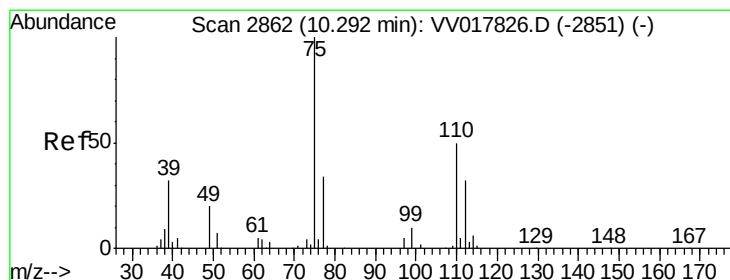
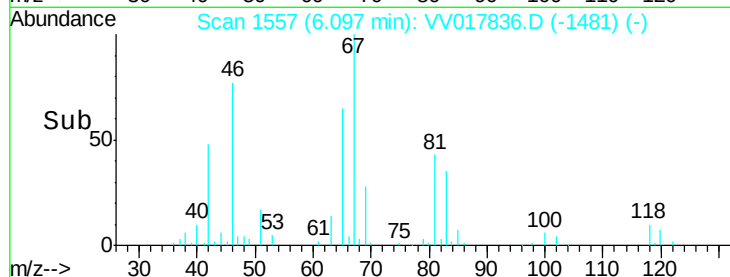
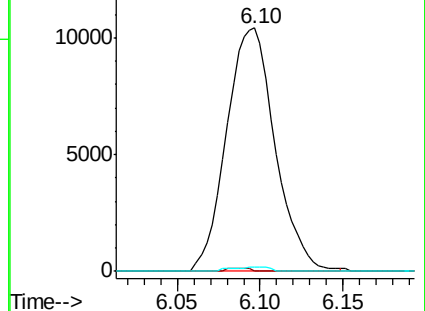
98 0.9 41.2 61.8#



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#59

1,2,3-Trichloropropane

Concen: 5.512 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.98 min

Lab File: VV017836.D

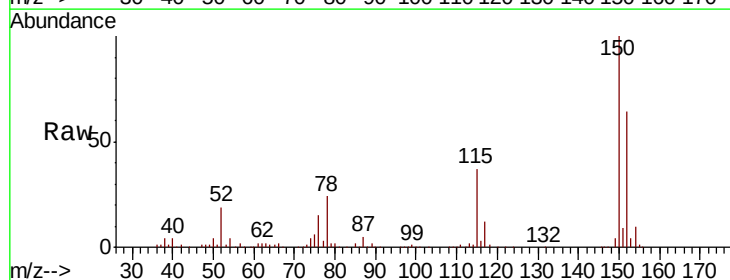
Acq: 07 Aug 2020 13:43

Tgt Ion: 75 Resp: 10611

Ion Ratio Lower Upper

75 100

77 50.2 25.1 37.7#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

